Spectra Precision 1445-2092

Spectra Precision Charger User Manual

Model: 1445-2092

For GL710, GL720, GL722, GL742, GL762 Grade Slope Laser Levels

1. Introduction

This user manual provides essential information for the safe and effective operation and maintenance of your Spectra Precision Charger, Model 1445-2092. This charger is specifically designed for use with Spectra Precision GL710, GL720, GL722, GL742, and GL762 grade slope laser levels. Please read this manual thoroughly before using the product.

2. Product Overview

The Spectra Precision Charger (Model 1445-2092) is a dedicated power supply and charging unit for compatible Spectra Precision laser levels. It ensures proper power delivery and efficient battery charging.



Figure 1: Spectra Precision Charger (Model 1445-2092) with included power adapters and original packaging.

2.1 Components

- **Charger Unit:** The main power and charging device.
- **Power Cable:** Connects the charger unit to the laser level.
- **AC Power Cord:** Connects the charger unit to a wall outlet.
- **Interchangeable Power Adapters:** Various regional plug types for AC power.



Figure 2: Close-up of the charger unit, highlighting the indicator lights and branding.





Figure 3: Detail of the 4-pin circular connector that plugs into the laser level.

3. Setup Instructions

1. **Select Power Adapter:** Choose the appropriate interchangeable power adapter for your region and attach it to the AC power cord.
2. **Connect AC Power:** Plug the AC power cord into the charger unit, then plug the other end into a suitable wall outlet (Input Voltage: 240 Volts).
3. **Connect to Laser Level:** Carefully align the 4-pin circular connector of the charger's power cable with the charging port on your Spectra Precision GL710, GL720, GL722, GL742, or GL762 laser level. Insert and secure the connector.
4. **Verify Connection:** Ensure all connections are firm and secure before proceeding.

Important: Use only the charger provided by Spectra Precision (Model 1445-2092) with compatible laser levels to prevent damage and ensure safe operation.

4. Operating Instructions

Once the charger is connected to both the power source and the laser level, it will begin charging the internal battery. The charger features indicator lights to communicate its status:

Charger Indicator Light Status

Indicator Light	Status	Description
Charge	On	Battery is currently charging.
Charge	Complete	Battery charging is finished. The laser level is ready for use.
Temperature	Flash On	Charging has paused due to the battery temperature being outside the optimal range. Charging will resume automatically when the temperature stabilizes.
No Battery	Off	No battery detected or battery is not properly connected.
Error	Flash Flash	An error has occurred. Refer to the Troubleshooting section.

Allow the battery to fully charge for optimal performance and battery life. Disconnect the charger from the laser level and the power outlet once charging is complete or when the laser level is not in use.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the charger unit. Do not use liquid cleaners or solvents.

- **Storage:** Store the charger in a dry, cool place away from direct sunlight and extreme temperatures.
- **Cable Inspection:** Regularly inspect the power cables and connectors for any signs of damage, fraying, or bending. Do not use if damaged.
- **Avoid Moisture:** Keep the charger away from water and high humidity.

6. Troubleshooting

Common Issues and Solutions

Problem	Possible Cause	Solution
Charger indicator lights are off.	No power to the charger.	◦ Check if the AC power cord is securely plugged into the wall outlet and the charger unit. ◦ Verify the wall outlet is functional.
"No Battery" indicator is off (or charging does not start).	Battery not detected or improperly connected.	◦ Ensure the charger's power cable is firmly connected to the laser level's charging port. ◦ Confirm the laser level's battery is properly installed (if removable).
"Temperature" indicator is flashing.	Battery temperature is too high or too low.	◦ Move the charger and laser level to an environment with a moderate temperature (e.g., 10°C to 40°C / 50°F to 104°F). ◦ Allow the unit to cool down or warm up naturally. Charging will resume automatically.
"Error" indicator is flashing.	Internal fault or severe battery issue.	◦ Disconnect the charger from both the power outlet and the laser level. ◦ Wait a few minutes, then reconnect. If the error persists, contact customer support.

7. Specifications

Model Number: 1445-2092

Brand: Spectra Precision

Manufacturer: Spectra Precision

Input Voltage: 240 Volts

Output Voltage: 120 Volts

Color: Black

Safety Standard: UL Compliant

Compatibility: Spectra Precision GL710, GL720, GL722, GL742, GL762 Grade Slope Laser Levels

8. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the official Spectra Precision website or contact your authorized dealer. Keep your purchase receipt as proof of purchase.
Spectra Precision Website: www.spectraprecision.com

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